

a water-permeable pressure layer having a load which can suppress a deformation of the packed bed of the solid catalyst and/or the solid adsorbent;  
wherein the packed bed is provided in a wet-oxidation treatment unit;  
wherein the water-permeable pressure layer is provided on the packed bed of the solid catalyst and/or the solid adsorbent;  
~~F1~~ wherein the water-permeable pressure layer is a substance having a plurality of rigid metal particles or ceramic particles; and  
wherein the rigid metal particles are one of stainless steel, titanium and zirconium.

~~Sub 741  
F2~~  
8. (Five Times Amended.) The apparatus according to claim 39, wherein:  
said vertical partition forms the respective segments each with a cross-sectional area of 50 to 5000 cm<sup>2</sup>.

9. (Five Times Amended.) The apparatus according to claim 39, wherein:  
said vertical partition has a height of 20 to 300 cm in the vertical direction.

~~Sub 21  
C6  
F3~~  
15. (Five Times Amended.) An apparatus for preventing abrasion of a solid catalyst and/or a solid adsorbent while treating waste water, comprising:  
a packed bed of the solid catalyst and/or the solid adsorbent; and  
a layer configured to disperse and mitigate an upward stream of the waste water and/or a waste gas;  
wherein the packed bed is provided in a wet-oxidation treatment unit;  
wherein the dispersing and mitigating layer is provided under the packed bed of the solid catalyst and/or the solid adsorbent;

*fb*  
wherein the dispersing and mitigating layer is a substance having a plurality of rigid metallic particles or ceramic particles; and

wherein the rigid metallic particles are one of stainless steel, titanium and zirconium.

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Please add the following new Claims 39-42:

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*Sub. H<sub>1</sub>*  
39. (New) The apparatus according to claim 6, further comprising:  
a vertical partition configured to divide a boundary area between an upper part of the packed bed and the pressure layer into a plurality of respective segments formed in a vertical direction.

*PH*  
40. (New) The apparatus according to claim 10, further comprising:  
a vertical partition configured to divide a boundary area between an upper part of the packed bed and the pressure layer into a plurality of respective segments formed in a vertical direction.

41. (New) The apparatus according to claim 40, wherein the respective segments formed by the vertical partition have a cross-sectional area of 50 to 5000 cm<sup>2</sup>.

42. (New) The apparatus according to claim 40, wherein the vertical partition has a height of 20 to 300 cm in a vertical direction.

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